



0-10V Dimmable LED Drivers—LKAD120V-D

—产品特性/Feature—

- 100-132VAC (50/60Hz) 输入 / 100-132VAC (50/60Hz) Input
- 隔离方案, 0-10V调光和可控硅一体, 无频闪 / Isolated, 0-10V dimming and Triac . integrated, no flicker
- 高效率, 稳定性好 / High efficiency, , good steady;
- 短路保护, 过流保护, 过压保护 / short circuit/over load/over current/ ;
 - 调光流畅, 兼容市面上主流的调光控制系统 / Smooth dimming, compatible with the mainstream dimming control system on the market
- 100%满载老化测试 / 100% full load burn-in test;
- 独立外置, ClassI恒流类型 / independent, ClassI constant current type;
- 防护等级 IP65导热硅胶散热 / Protection grade IP65 heat conduction silica gel heat dissipation .
- 3年质保期 / 3 years warranty.



产品参数/Specification

Model		LKAD120V-D	备注
输入 Input	输入电压范围/Input Voltage range	100-132V	
	频率/Frequency	50/60hz	
	谐波/THD	≤10%/230VAC	
	功率因数/Power factor	>0.6	
	输入电流 Input current (mA)	1800MA	
	待机功耗 stand_by power	≤0.8W	
	浪涌电流 Inrush Current (Max.)	≤30A@230VAC	
	漏电流 Leakage Current	<1MA/240V	
输出 Output	额定电压/Rated voltage	24V	
	空载电压/No-load Voltage	24V	
	工作电流范围/Operating current	0-5000MA	
	额定电流/Rated current	5A	
	电压精度/Voltage accuracy	(+/-) 1%	
	额定功率/Rated power	120W	
	开机延时/Setup Time	≤0.5s/230VAC	
	输出线性调整率Output Line Reg	±2%	
	温度漂移temperature drift	±5%	

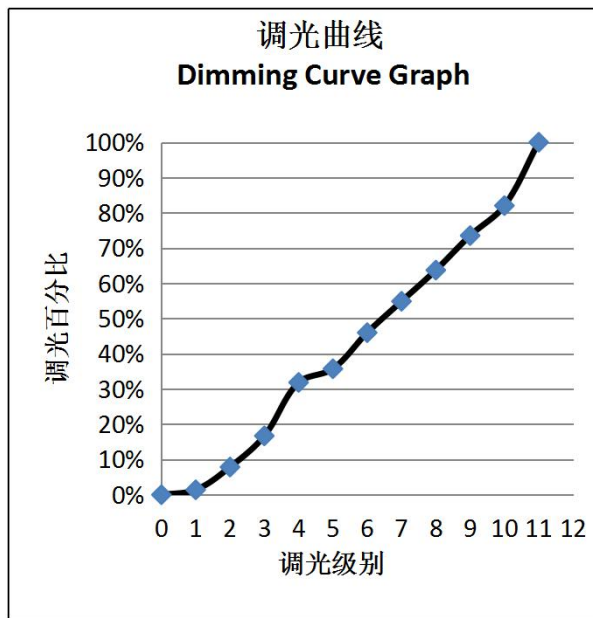
保护特性	开路保护Output open circuit protection	有/Enable	
	短路保护Short Circuit Protection	打嗝模式/Hiccup mode	
使用环境 Environment Requirements	工作温度/湿度要求 Operating Temp./RH	-30~+45℃/20~95%	
	储存温度, 湿度要求 Storage Temp./RH	-40~+80℃/10~95%	
安全和电磁兼容 Safety & EMC	认证编号/Certificate	E478938	
	耐压 withstand voltage	1500VAC/60S	
	绝缘阻抗insulation resistance	500V>100M	
	浪涌等级EMS immunity	IEC6100-4-5 (L-N:1KV)	
	安规标准Safety standard	IEC61347-2-13 EN	
	电磁干扰electromagnetic interference	Fcc Part15B	
	电磁抗干扰Electromagnetic Susceptibility	Fcc Part15B	
其他 Others	IP等级说明 IP level description	IP65	
	质保说明Warranty instructions	3年/3 years	
	尺寸/Size	179*73mm	
	重量/Netweight	600g	
注意事项 matters needing attention	<p>1. 建议客户在灯具供电回路中安装过欠压保护与浪涌保护装置，以确保用电安全 1. pls suggest the client to install the under voltage protection device and surge protection device to ensure Electricity safety</p> <p>2. 电源作为整灯灯具中的一个零部件与终端设备结合使用，因EMC性能受LED灯具及走线的影响，终端设备制造商需对整套装置重新进行EMC确认。 2. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p> <p>3. 客户在使用电源时，注意电源通风散热和环境温度，超过TA时要做降额使用 3. Be careful of ambient temperature and heat dissipation during the client use this unit, When exceeding TA, the power supply shall be derated</p>		

测试数据/Test data

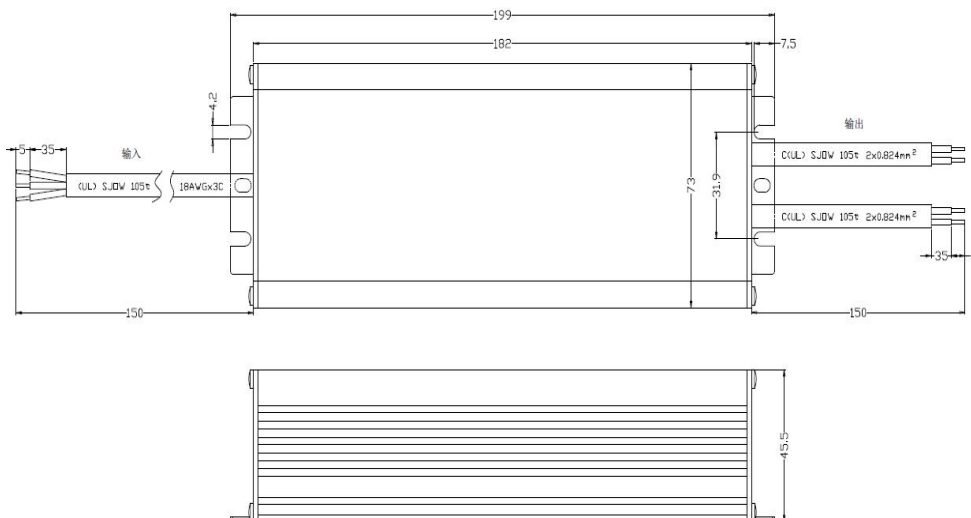
输入电压 Input voltage (Vac)	输入电流 Input current (mA)	输入功率 Input power (W)	功率因数 PF	输出电压 Output voltage (Vdc)	输出电流 Output current (mA)	输出功率 Output Power (W)	转换效率 Efficiency (%)
120V	1741.00	141.300	0.691	24.00	5000	120.00	84.93%
	1244.00	97.510	0.664	24.03	3500	84.11	86.25%
	913.50	69.700	0.645	24.09	2500	60.23	86.41%

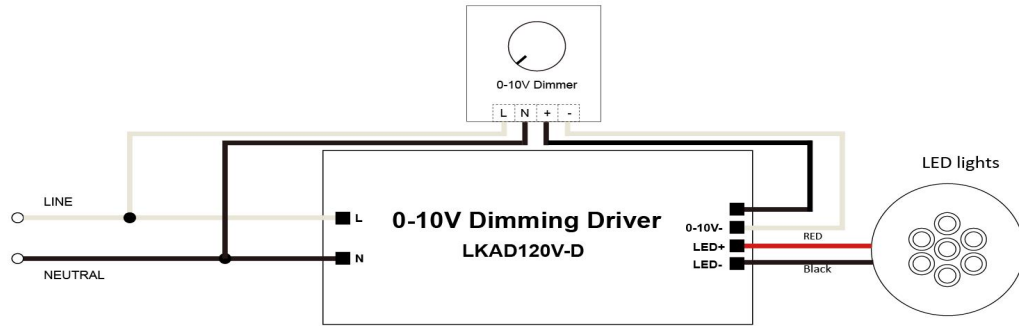
调光测试数据Dimming test data

输入电压 Input voltage	输入电流 Input current	输入功率 Input power (W)	功率因数 PF	输出电压 Output voltage	输出电流 Output current	输出功率 Output Power	调光电压 Dimming voltage	百分比	
120V	30.98	1.44	0.392	0.00	0.00	0.00	0V	0.00%	0
120V	83.77	5.18	0.523	10.19	70.00	0.71	0.6V	1.40%	1
120V	200.50	13.25	0.559	11.08	393.00	4.35	1V	7.86%	2
120V	356.10	24.85	0.600	12.43	835.00	10.38	2V	16.70%	3
120V	616.30	45.2	0.622	14.75	1593.00	23.50	3V	31.86%	4
120V	683.40	50.7	0.628	15.36	1787.00	27.45	4V	35.74%	5
120V	859.40	64.88	0.640	16.96	2299.00	38.99	5V	45.98%	6
120V	1009.00	77.28	0.650	18.36	2744.00	50.38	6V	54.88%	7
120V	1157.00	89.79	0.658	19.76	3186.00	62.96	7V	63.72%	8
120V	1310.00	103.3	0.670	20.58	3676.00	75.65	8V	73.52%	9
120V	1461.00	115.5	0.682	22.83	4101.00	93.63	9V	82.02%	10
120V	1743.00	140.6	0.685	23.95	5000.00	119.75	10V	100.00%	11



产品尺寸图/ Product Size Diagram





备注/Note:

"1. 所有没提及到的参数都是在230V输入，额定负载和在周围温度为25°C的情况下测试的；
All parameters NOT specially mentioned are measured at 120VAC input, rated load and 25 of ambient temperature;

2.注意接线的方向，不要搞反输入和输出端，
Pay attention to the direction of wiring, do not reverse the input and output terminals,

广东领冠智能科技有限公司

Dongguan Linkuan Semiconductor Lighting Co.,Ltd

地 址：广东省东莞市万江区大莲塘工业区3号
Address: NO.3 Building, Daliantang Industrial Park,
Wanjiang

District,Dongguan,Guangdong,China

Tel:+86-769-23129651

Fax:+86-23129652